



Agenda

2022 **invite** Conference

Innovations, Visions, and Technologies

March 16th, 2022 – ZOOM

Time	Topic			
10:00-10:15	Welcome <i>Dr. Ildikó Terebesi – INVITE GmbH, Managing Director</i>			
10:15-11:15	Key note Improving health span in space and on Earth - research at the interface of human beings and technology <i>Prof. Dr. med. Jens Jordan – Director Institute for Aerospace Medicine, German Aerospace Center (DLR)</i>			
11:15-11:30	Break			
11:30-12:30	<table border="0"> <tr> <td style="background-color: #d9ead3; vertical-align: top;"> <p>Drug delivery – chair Dr. Werner Hoheisel Oral & parenteral dosage forms: how mature technologies keep evolving.</p> <ul style="list-style-type: none"> • Merck’s way to Continuous Development and Manufacturing <i>Dr. Carsten Schmidt - Head of Drug Product Development, Merck Healthcare KGaA</i> • Spray-drying RNA nanoparticles for inhalation, enhanced storage stability and improved transport conditions <i>Prof. Dr. Olivia Merkel – Ludwig-Maximilians-University Munich</i> • Excipients and Manufacturing Considerations for the Growth of mRNA and Gene Therapies <i>Alexander Bernhardt – Head of Drug Delivery & Applications, Health Care, Evonik</i> </td> <td style="background-color: #d9ead3; vertical-align: top;"> <p>Smart Automation – chair Dr. Charly Coulon Hotspots of modern robotics in laboratory and production.</p> <p>Concrete examples of modern robotics applications from multiple companies.</p> <ul style="list-style-type: none"> • <i>Antje Schmelzer – Head of Center of Excellence RobotiX, Boehringer Ingelheim</i> • <i>David Wolton – Engineering technology lead, Takeda</i> • <i>Markus Stübchen – Global Technical Lead Sterile Manufacturing and Robotic Network Team, F. Hoffmann-La Roche Ltd</i> </td> <td style="background-color: #fff2cc; vertical-align: top;"> <p>Collaboration – chair Dr. Tom Maes Working in Consortia – when is it worthwhile, how does it work?</p> <ul style="list-style-type: none"> • How complex regulatory challenges benefit from collaboration in public-private partnership consortia <i>Dr. Jan Woelz, Head of Ecotoxicology, Pharmaceutical Division, Bayer AG</i> • Enabling Synergies between Academia and Industry – the perspective of an academic. <i>Prof. Dr. Ing. Gerhard Schembecker – TU Dortmund</i> </td> </tr> </table>	<p>Drug delivery – chair Dr. Werner Hoheisel Oral & parenteral dosage forms: how mature technologies keep evolving.</p> <ul style="list-style-type: none"> • Merck’s way to Continuous Development and Manufacturing <i>Dr. Carsten Schmidt - Head of Drug Product Development, Merck Healthcare KGaA</i> • Spray-drying RNA nanoparticles for inhalation, enhanced storage stability and improved transport conditions <i>Prof. Dr. Olivia Merkel – Ludwig-Maximilians-University Munich</i> • Excipients and Manufacturing Considerations for the Growth of mRNA and Gene Therapies <i>Alexander Bernhardt – Head of Drug Delivery & Applications, Health Care, Evonik</i> 	<p>Smart Automation – chair Dr. Charly Coulon Hotspots of modern robotics in laboratory and production.</p> <p>Concrete examples of modern robotics applications from multiple companies.</p> <ul style="list-style-type: none"> • <i>Antje Schmelzer – Head of Center of Excellence RobotiX, Boehringer Ingelheim</i> • <i>David Wolton – Engineering technology lead, Takeda</i> • <i>Markus Stübchen – Global Technical Lead Sterile Manufacturing and Robotic Network Team, F. Hoffmann-La Roche Ltd</i> 	<p>Collaboration – chair Dr. Tom Maes Working in Consortia – when is it worthwhile, how does it work?</p> <ul style="list-style-type: none"> • How complex regulatory challenges benefit from collaboration in public-private partnership consortia <i>Dr. Jan Woelz, Head of Ecotoxicology, Pharmaceutical Division, Bayer AG</i> • Enabling Synergies between Academia and Industry – the perspective of an academic. <i>Prof. Dr. Ing. Gerhard Schembecker – TU Dortmund</i>
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12:30-13:30	Lunch & networking			

13:30-14:30	<p>Drug delivery – chair Dr. Werner Hoheisel Solubilization & bioavailability enhancement: addressing key challenges</p> <ul style="list-style-type: none"> • Nature’s elevator for poorly water soluble drugs <i>Prof. Dr. Dr. Lorenz Meinel – Julius-Maximilians University Würzburg</i> • Strategy to tackle poorly soluble compounds including the evaluation of SMEDDS <i>Dr. Kerstin Schäfer – Head Early Development – Boehringer Ingelheim Pharma GmbH & Co. KG</i> 	<p>Smart Automation – chair Dr. Charly Coulon Master Class Robotics Assessments: Find your biggest opportunities</p> <p>Interactive Session Test our approach to identify the most attractive opportunities for automation within your factories and laboratories.</p> <ul style="list-style-type: none"> • <i>Dr. Charly Coulon – Head of Future Manufacturing Concepts, INVITE GmbH</i> 	<p>Collaboration – chair Dr. Tom Maes Driving Sustainability how to collaborate?</p> <ul style="list-style-type: none"> • Value of Industry-Academia Collaboration <i>Frank Roschinger – Highly distinguished Research Fellow Development Sciences, Boehringer Ingelheim</i> • How to manage the collaboration lifecycle for sustainability? <i>Laura Street, Research Manager, the SustainAbility Institute by ERM</i>
14:30-15:30	<p>Drug delivery – chair Dr. Werner Hoheisel New Modalities & Targeted Delivery: prospects for future application?</p> <ul style="list-style-type: none"> • Oral delivery of macromolecules <i>Kelly Vandera, PhD, F. Hoffmann-La Roche AG</i> • Stimuli-sensitive & Intracellular drug delivery: why and how? <i>Vladimir Torchilin, PhD, DSc University Distinguished Professor – Director, Center for Pharmaceutical Biotechnology & Nanomedicine, Northeastern Univ, Boston (MA)</i> 	<p>Smart Automation – chair Dr. Charly Coulon Smart automation for production and laboratories: what is possible today and new developments.</p> <ul style="list-style-type: none"> • Benefits of modular automation in industry and why it is so hard to implement <i>Henry Bloch – Managing Director, Semodia GmbH</i> • Biologics formulation development – a prototype for end-to-end automation <i>Dr. Jonas Angstenberger – Principal Research Scientist - Lab Head Automated HT Formulation Screening & Data Science, AbbVie</i> 	<p>Collaboration – chair Dr. Tom Maes Proven collaboration models between companies and academia</p> <ul style="list-style-type: none"> • Toolbox and strategies to accelerate innovation and product development in public research institutes/universities: the CBGP (UPM-INIA/CSIC) experience <i>Prof. Dr. Antonio Molina, Director, Centro de Biotecnología y Genómica de Plantas (CBGP, UPM-INIA/CSIC)</i> • How Alliances can create value <i>Thomas Görgen – VP, Head of Global Alliance Management, Covestro Deutschland AG</i>
15:30-16:00	Break		
16:00-16:45	<p>Key Note – Introduction <i>Dr. Markus Weigandt – Merck Healthcare KGaA, Head Pharmaceutical Technologies</i> Collaboration – a Key element for Scientific Research Productivity <i>Rob Harbron – Oxford Economics</i></p>		
16:45-17:00	<p>Close out & networking <i>Dr. Ildikó Terebesi – INVITE GmbH, Managing Director</i></p>		